



PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/574,405
				Filing Date	March 31, 2006
				First Named Inventor	Ehud GAZIT et al
				Art Unit	1645
				Examiner Name	Not Yet Assigned
Sheet	1	of	10	Attorney Docket Number	31689
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-2001/041732	15-Nov-2001	Gurley et al.	
	2	US-2002/006954	17-Jan-2002	Hensley et al	
	3	US-2002/0086067	04-Jul-2002	Choi et al.	
	4	US-2002/0151506	17-Oct-2002	Castillo et al.	
	5	US-2003/0225155	04-Dec-2003	Fernandez-Pol et al.	
	6	US-2003/158237	21-Aug-2003	Saragovi et al.	
	7	US-2004/029830	12-Feb-2004	Herbert	
	8	US-2004/152672	05-Aug-2004	Carson et al.	
	9	US-2005/0069950	31-Mar-2005	Haynie	
	10	US-2006/0079454	13-Apr-2006	Reches et al.	
	11	US-2006/0194777	31-Aug-2006	Gazit et al.	
	12	US-2006/0234947	19-Oct-2006	Gazit	
	13	US-2007/0021345	25-Jan-2007	Gazit	
	14	US-2,920,080	05-Jan-1965	Bucourt et al	
	15	US-3,042,685	03-Jul-1962	Roussel	
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	19	US-4,036,945	19-Jul-1977	Haber	
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	27	US-5,013,556	07-May-1991	Woodle et al.	
	28	US-5,270,163	14-Dec-1993	Gold et al.	
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		Number-Kind Code ² (if known)			
	30	US-5,332,648	26-Jul-1994	Kihara et al.	
	31	US-5,475,096	12-Dec-1995	Gold et al.	
	32	US-5,545,806	13-Aug-1996	Lonberg et al	
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	39	US-5,637,459	10-Jun-1997	Burke et al.	
	40	US-5,643,768	01-Jul-1997	Kawasaki	
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	45	US-5,705,337	06-Jan-1998	Gold et al.	
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	53	US-6,593,339	15-Jul-2003	Eek et al.	
	54	US-6,610,478	26-Aug-2003	Takle et al.	
	55	US-6,613,875	02-Sep-2003	Ghadiri	
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	57	US-6,677,153	13-Jan-2004	Iversen	
	58	US-6,858,318	22-Feb-2005	Kogiso et al.	
	59	US-6,976,639	20-Dec-2005	Williams et al.	
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	60	US-7,045,537	16-May-2006	Woolfson et al.		
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Documents	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	61	JP 02-295923	06-Dec-1990	Taiyo		
	62	EP 0421946	10-Apr-1991	Politi et al		
	63	JP 10-245342	14-Sep-1998	Araya et al.		
	64	JP 63-044895	25-Feb-1988	Kyowa Hakko Kogyo		
	65	EP 966,975	07-Sep-2005	Kohno et al.		
	66	PCT WO 00/24390	04-May-2000	Reiner et al.		
	67	PCT WO 01/45726	28-Jun-2001	Schmitz		
	68	PCT WO 01/49281	12-Jul-2007	Castillo et al.		
	69	PCT WO 01/49307	12-Jul-2001	Castillo et al.		
	70	PCT WO 02/072086	19-Sep-2002	Suzuki		
	71	PCT WO 02/094857	28-Nov-2002	Gutheil et al.		
	72	PCT WO 03/013442	20-Feb-2003	Castillo et al.		
	73	PCT WO 03/024443	27-Mar-2003	Martynyuk et al		
	74	PCT WO 03/039540	15-May-2003	Heefner et al.		
	75	PCT WO 03/070269	28-Aug-2003	Schraermeyer		
	76	PCT WO 03/077866	25-Sep-2003	Ash et al.		
	77	PCT WO 2005/016339	24-Feb-2005	Landreth et al		
	78	PCT WO 2005/020809	10-Mar-2005	Owen et al.		
	79	PCT WO 2005/027901	31-Mar-2005	Gazit et al.		
	80	PCT WO 2005/085867	15-Sep-2005	Taniguchi et al.		
	81	PCT WO 2006/006172	19-Jan-2006	Gazit et al.		
	82	PCT WO 2006/013552	09-Feb-2006	Gazit et al.		
	83	PCT WO 2006/018850	23-Feb-2006	Gazit et al.		
	84	PCT WO 2006/020681	23-Feb-2006	Banerjee		
	85	PCT WO 2006/027780	16-Mar-2006	Reches et al.		
	86	PCT WO 2007/029003	15-Mar-2007	Ulijn et al.		
	87	PCT WO 2007/043048	19-Apr-2007	Gazit et al.		
	88	PCT WO 97/16191	09-May-1997	Hays et al.		
	89	PCT WO 98/20135	14-May-1998	Fitzgerald et al.		
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Sheet	4	Of	10	Attorney Docket Number	31689
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FOREIGN PATENT DOCUMENTS

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	92	Altland et al. "Potential Treatment of Transthyretin-Type Amyloidoses by Sulfite", <i>Neurogenetics</i> , 2: 183-188, 1999.			
	93	Appukkuttan et al. "Microwave Enhanced Formation of Electron Rich Arylboronates", <i>Synlett</i> , 8: 1204-1206, 2003. Figs. Scheme 4, Compounds 5A, 5B, 5C, 5D.			
	94	Azriel et al. "Analysis of the Minimal Amyloid-Forming Fragment of the Islet Amyloid Polypeptide", <i>The Journal of Biological Chemistry</i> , 276(36): 34156-34161, 2001.			
	95	Balaram "De Novo Design; Backbone Conformational Constraints in Nucleating Helices and β -hairpins", <i>J. Peptide Res.</i> , 54: 195-199, 1999.			
	96	Berson et al. "Proprotein Convertase Cleavage Liberates A Fibrillogenic Fragment of A Resident Glycoprotein to Initiate Melanosome Biogenesis", <i>Journal of Cell Biology</i> , 161(3): 521-533, 2003.			
	97	Bong et al. "Self-Assembling Organic Nanotubes", <i>Angewandte Chemie, International Edition</i> , 40:988-1011, 2001.			
	98	Chapman et al. "Role of Escherichia Coli Curli Operons in Directing Amyloid Fiber Formation", <i>Science</i> , 295(5556): 851-855, 2002, Abstract.			
	99	Cherny et al. "The YefM Antitoxin Defines A Family of Natively Unfolded Proteins", <i>The Journal of Biological Chemistry</i> , 279(9): 8252-8261, 2004.			
	100	Chou et al. "Empirical Predictions of Protein Conformation", <i>Ann. Rev. Biochem.</i> , 47: 251-276, 1978.			
	101	Claessen et al. "A Novel Class of Secreted Hydrophobic Proteins is Involved in Aerial Hyphae Formation in Streptomyces Coelicolor by Forming Amyloid-Like Fibrils", <i>Genes & Development</i> , 17: 1714-1726, 2003.			
	102	Clark et al. "Self-Assembling Cyclic β 3-Peptide Nanotubes as Artificial Transmembrane Ion Channels", <i>Journal of the American Chemical Society, JACS</i> , 120: 651-656, 1998.			
	103	Cohen et al "Inhibition of Amyloid Fibril Formation and Cytotoxicity by Hydroxyindole Derivatives", <i>Biochemistry</i> , 45: 4727-4735, 2006. Abstract, P.4728, Col.1, Last §, P.4728, Col.2, § 2, Fig.1, P.4729, Col.1, P.4728, Col.1, Last §, P.4728, Col.2, § 2, Fig.1, P.4728, Col.1, Last §, P.4728, Col.2, § 2, Fig.1, 4, P.4732, Col.2, § 2,3, P.4733, Col.2, § 4.			
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	105	Engelberg-Kulka et al. "Bacterial Programmed Cell Death Systems as Targets for Antibiotics", Trends in Microbiology, 12(2): 66-71, 2004.			
	106	Gazit "Mechanisms of Amyloid Fibril Self-Assembly and Inhibition Model Short Peptides as A Key Research Tool", The FEBS Journal, 272: 5971-5978, 2005.			
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	108	Ghadiri et al. "Artificial Transmembrane Ion Channels From Self-Assembling Peptide Nanotubes", Nature, 369(6478): 301-304, 1994.			
	109	Grady et al. "Axe-Txe, A Broad-Spectrum Proteic Toxin-Antitoxin System Specified by A Multidrug-Resistant, Clinical Isolate of Enterococcus Faecium", Molecular Biology, 47(5): 1419-1432, 2003. Abstract, P.1424, Col.1 - P.1426, Col.2, Fig.5.			
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	113	Huang et al. "A Review on Polymer Nanofibers by Electrospinning and Their Applications in Nanocomposites", Composites Science and Technology, 63: 2223-2253, 2003.			
	114	Inglot "Comparison of the Antiviral Activity In Vitro of Some Non-Steroidal Anti-Inflammatory Drugs", Journal of General Virology, 4(2): 203-214, 1969.			
	115	Jack et al. "The Organization of Aromatic Side Groups in An Amyloid Fibril Probed by Solid-State 2H and 19F NMR Spectroscopy", Journal of the American Chemical Society, JACS, 128: 8098-8099, 2006.			
	116	Jayawarna et al. "Nanostructured Hydrogels for Three-Dimensional Cell Culture Through Self-Assembly of Fluorenylmethoxycarbonyl-Dipeptides", Advanced Materials, 18: 611-614, 2006.			
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		Examiner Name	Not Yet Assigned		
Sheet	7	Of	10	Attorney Docket Number	31689
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	117	Jin "Electrospinning Bombyx Mori Silk With Poly (Ethylene Oxide)" Biomacromolecules, 3: 1233-1239, 2002.			
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		Application Number	10/574,405		
		Filing Date	March 31, 2006		
		First Named Inventor	Ehud GAZIT et al		
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	129	Losert et al. "Effect of Indole 3 Alkanecarboxylic Acids on Glucose Utilization in Rats" Arzneimittel-Forschung/Drug Research, 25(6): 880-887, 1975. P.880, Col.1, § 6, P.886, Col.2, § 4, 5, P.887, Col.1, § 3.			
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	140	Reches et al. "Designed Aromatic Homo-Dipeptides: Formation of Ordered Nanostructures and Potential Nanotechnological Applications", Physical Biology, 3: S10-S19, 2006.			
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	142	Reches et al. "Supporting Online Material", Science, 300(5619): 1-9, 2003. Retrieved From the Internet: URL: http://www.sciencemag.org/cgi/data/300/5619/625/DC1			
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	151	Westwater et al. "Use of Genetically Engineered Phage to Deliver Antimicrobial Agents to Bacteria: An Alternative Therapy for Treatment of Bacterial Infections", Antimicrobial Agents and Chemotherapy, 47 (4): 1301-1307, 2003.			
	152	Yokoi et al. "Dynamic Reassembly of Peptide RADA16 Nanofiber Scaffold", Proc. Natl. Acad. Sci. USA, 102(24): 8414-8419, 2005.			
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